

541068

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/060397 A1

(51) International Patent Classification⁷: **A61K 39/395**,
38/47, C12N 9/36, A61P 31/00

(74) Agent: **HØIBERG A/S**; Store Kongensgade 59 A,
DK-1264 Copenhagen K. (DK).

(21) International Application Number:
PCT/DK2003/000940

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:
30 December 2003 (30.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2003 01858 2 January 2003 (02.01.2003) DK

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **PEDER-
SEN MEDICAL A/S** [DK/DK]; Jens Grøns Vej 15-17,
DK-7100 Vejle (DK).

(72) Inventors; and

Declaration under Rule 4.17:

(75) Inventors/Applicants (*for US only*): **PEDERSEN,**
Jens, Richard [DK/DK]; Gludsmindevej 11, DK-7100
Vejle (DK). **PEDERSEN, Torben, Richard** [DK/DK];
Højstrupvej 25, DK-7120 Vejle Øst (DK).

— *as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations*

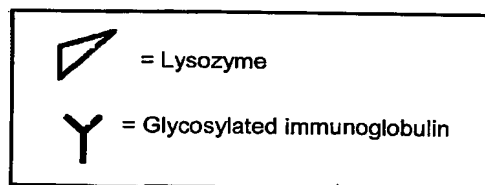
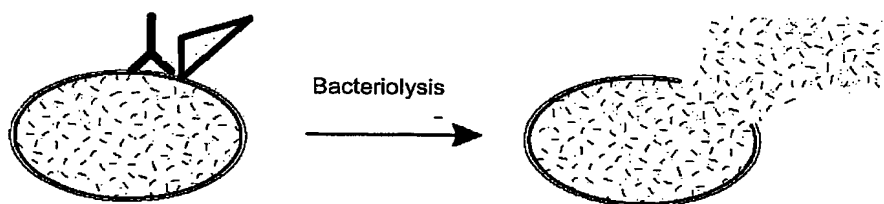
Published:

— *with international search report*

[Continued on next page]

(54) Title: **ANTIMICROBIAL COMPOSITION FOR LOCAL USE ON MUCOSAL MEMBRANES AND SKIN**

Gram negative bacterium is lysed using glycosylated immunoglobulin and lysozyme



(57) Abstract: The invention relates to an antimicrobial composition for local use on mucosal membranes and skin. The antimicrobial composition comprises a system of lysozyme and glycosylated immunoglobulins. The glycosylated immunoglobulins have affinity towards gram negative and gram positive bacteria and viruses. Moreover, the invention concerns the method of preparation of said composition as well as use of the composition for the treatment and/or prevention of infections. The present invention further concerns and antimicrobial composition, comprising lysozyme conjugated to a monosaccharide. The method of preparation of said composition as well as use of the composition for the treatment and/or prevention of infections is also described.

WO 2004/060397 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.